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 EPO Abstracts Database
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DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

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☐ 1. Document ID: US 6765113 B2

Using default format because multiple data bases are involved.

L10: Entry 1 of 22

File: USPT

Jul 20, 2004

US-PAT-NO: 6765113

DOCUMENT-IDENTIFIER: US 6765113 B2

TITLE: Production of aromatic carboxylic acids

DATE-ISSUED: July 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Graham; Derek Alexander	Cleveland			GB
Hamley; Paul Anthony	Nottingham			GB
Oliver; Raymond	Stockton on Tees			GB
Poliakoff; Martyn	Nottingham			GB
Woodcock; Duncan	Cheshire			GB
Ilkenhans; Thomas	Cambridge			GB

US-CL-CURRENT: 562/413; 562/407; 562/408; 562/409; 562/412; 562/414; 562/415,
562/421, 562/480, 562/485, 562/486, 562/487

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 6448436 B1

L10: Entry 2 of 22

File: USPT

Sep 10, 2002

US-PAT-NO: 6448436

DOCUMENT-IDENTIFIER: US 6448436 B1

TITLE: Integrated process for the production of 2, 6-naphthalene dicarboxylic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 6392091 B1

L10: Entry 3 of 22

File: USPT

May 21, 2002

US-PAT-NO: 6392091

DOCUMENT-IDENTIFIER: US 6392091 B1

TITLE: Process of purifying and producing high purity aromatic polycarboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 6307099 B1

L10: Entry 4 of 22

File: USPT

Oct 23, 2001

US-PAT-NO: 6307099

DOCUMENT-IDENTIFIER: US 6307099 B1

TITLE: Production of terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 6291707 B1

L10: Entry 5 of 22

File: USPT

Sep 18, 2001

US-PAT-NO: 6291707

DOCUMENT-IDENTIFIER: US 6291707 B1

TITLE: Process of purifying and producing high purity aromatic polycarboxylic acids and derivatives thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 6. Document ID: US 6255525 B1

L10: Entry 6 of 22

File: USPT

Jul 3, 2001

US-PAT-NO: 6255525

DOCUMENT-IDENTIFIER: US 6255525 B1

**** See image for Certificate of Correction ****

TITLE: Process for preparing purified carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 7. Document ID: US 6194609 B1

L10: Entry 7 of 22

File: USPT

Feb 27, 2001

US-PAT-NO: 6194609

DOCUMENT-IDENTIFIER: US 6194609 B1

TITLE: Crystallization in a plate heat exchanger

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 8. Document ID: US 6133476 A

L10: Entry 8 of 22

File: USPT

Oct 17, 2000

US-PAT-NO: 6133476

DOCUMENT-IDENTIFIER: US 6133476 A

TITLE: Process for purification of aromatic polycarboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 9. Document ID: US 6018077 A

L10: Entry 9 of 22

File: USPT

Jan 25, 2000

US-PAT-NO: 6018077

DOCUMENT-IDENTIFIER: US 6018077 A

TITLE: Process for producing 2,6-naphthalenedicarboxylic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 10. Document ID: US 5770764 A

L10: Entry 10 of 22

File: USPT

Jun 23, 1998

US-PAT-NO: 5770764

DOCUMENT-IDENTIFIER: US 5770764 A

TITLE: Process for preparing purified aromatic polycarboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 11. Document ID: US 5756833 A

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L10: Entry 11 of 22

File: USPT

May 26, 1998

US-PAT-NO: 5756833

DOCUMENT-IDENTIFIER: US 5756833 A

**** See image for Certificate of Correction ****

TITLE: Catalytic purification and recovery of dicarboxylic aromatic acids

DATE-ISSUED: May 26, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rosen; Bruce I.	Morton Grove	IL		
Bartos; Thomas M.	Naperville	IL		

US-CL-CURRENT: 562/486; 562/412, 562/485

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 12. Document ID: US 5728870 A

L10: Entry 12 of 22

File: USPT

Mar 17, 1998

US-PAT-NO: 5728870

DOCUMENT-IDENTIFIER: US 5728870 A

TITLE: Process for preparing purified 2,6-naphthalenedicarboxylic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 13. Document ID: US 5629446 A

L10: Entry 13 of 22

File: USPT

May 13, 1997

US-PAT-NO: 5629446

DOCUMENT-IDENTIFIER: US 5629446 A

**** See image for Certificate of Correction ****

TITLE: Process for preparing purified 2,6-naphthalenedicarboxylic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 14. Document ID: US 5616792 A

L10: Entry 14 of 22

File: USPT

Apr 1, 1997

US-PAT-NO: 5616792

DOCUMENT-IDENTIFIER: US 5616792 A

**** See image for Certificate of Correction ****

TITLE: Catalytic purification of dicarboxylic aromatic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 15. Document ID: US 5563294 A

L10: Entry 15 of 22

File: USPT

Oct 8, 1996

US-PAT-NO: 5563294

DOCUMENT-IDENTIFIER: US 5563294 A

**** See image for Certificate of Correction ****

TITLE: Process for preparing purified 2,6-naphthalenedicarboxylic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 16. Document ID: US 5354898 A

L10: Entry 16 of 22

File: USPT

Oct 11, 1994

US-PAT-NO: 5354898

DOCUMENT-IDENTIFIER: US 5354898 A

TITLE: Method for purifying crude aromatic carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 17. Document ID: US 5200557 A

L10: Entry 17 of 22

File: USPT

Apr 6, 1993

US-PAT-NO: 5200557

DOCUMENT-IDENTIFIER: US 5200557 A

TITLE: Process for preparation of crude terephthalic acid suitable for reduction to prepare purified terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 18. Document ID: US 5112992 A

L10: Entry 18 of 22

File: USPT

May 12, 1992

US-PAT-NO: 5112992

DOCUMENT-IDENTIFIER: US 5112992 A

TITLE: Production of polycarboxylic acids with hafnium-activated cobalt catalyst

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 19. Document ID: US 5095135 A

L10: Entry 19 of 22

File: USPT

Mar 10, 1992

US-PAT-NO: 5095135

DOCUMENT-IDENTIFIER: US 5095135 A

TITLE: Process for the preparation of high-purity naphthalenecarboxylic acid esters

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 20. Document ID: US 4948921 A

L10: Entry 20 of 22

File: USPT

Aug 14, 1990

US-PAT-NO: 4948921

DOCUMENT-IDENTIFIER: US 4948921 A

**** See image for Certificate of Correction ****TITLE: Process for the production and recovery of trimellitic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 21. Document ID: US 4755622 A

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L10: Entry 21 of 22

File: USPT

Jul 5, 1988

US-PAT-NO: 4755622

DOCUMENT-IDENTIFIER: US 4755622 A

**** See image for Certificate of Correction ****TITLE: Process for the production of trimellitic acid and pyromellitic acid by staged bromine addition in an oxidation of polyalkylaromatics

DATE-ISSUED: July 5, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schammel; Wayne P.	Naperville	IL		
Darin, deceased; John K.	late of Naperville	IL		

US-CL-CURRENT: 562/413; 562/414, 562/416

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 22. Document ID: US 4675438 A

L10: Entry 22 of 22

File: USPT

Jun 23, 1987

US-PAT-NO: 4675438

DOCUMENT-IDENTIFIER: US 4675438 A

**** See image for Certificate of Correction ****TITLE: Direct continuous flow integration of production and purification of high purity iso- or terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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